FOUNDRY

TRADE JOURNAL

INDEX TO VOLUME 150

January to June, 1981

A

Accidents at Work, Notification of, 161
Addition Treatment Method using a Paper Sleeve for Cast Iron, Development of an, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Air-based Turntable, Steel-ladle rotates on, 288
Aluminium Diecasting Industry of Japan, a Visit to, 134
Aluminium Diecasting, the Mechanism of Die Lubrication in, A. B. Schmidt, 622
Aluminium Diecasting, New Method for, 314
American Opercula, 806
Automation Exhibition to be held in Brighton, 789
Automatic Pouring Furnace comes on Stream at Rail Foundry, 751

B

Baker Perkins Limited holds Open Day, 59
BAS Triennial Meeting of Analysts, 936
Bank's Services for Exporters, N. Sargeant, 561
BCIRA News, 121
BCIRA: Robot fettling Feasibility demonstrated, 129
Briquetting Plant, Ingot Casting and, 271
British Gas Gem Awards for Energy Saving, 44
BNF News, 47
BNF Reorganisation reflects Future Policy, 344
BOTB can help, Foundry Exporting, 581

C

Careers Course, FITC, 69
Cast Iron, Development of an Addition Treatment Method using a Paper Sleeve for, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Centrifugal Technique, Wellman develops New, 791
Charlestown Engineering adopts Pulsed-gas CO_2 Process Moulding, 438
China—a Developing Market, 365
CO_2 Process Moulding, Charlestown Engineering adopts Pulsed-gas, 438
Code of Practice for Lead at Work, 54
Conferences: Control of Lead at Work, 160; Expocast 80, 36; 1980 Technician Conferences, 462; Sixteenth Annual BICTA Conference, 347; Solidification Technology in the Foundry and Casthouse, 91; Tenth International Pressure Diecasting Conference, 313
Congress: Forty-seventh International Foundry, a Précis of Papers presented in Jerusalem, 11
Continuous Casting at Foundry 81, 276
Control of Lead at Work Conference, 160
Conveying; Foundry 81 Preview, 170
Cosworth Research and Development, Thermal Reclamation at, 822
Coreless Furnace Lining and Three Typical Slag Materials, Study of the Reaction between Silica in a, C. F. Wilford, R. Stevens, 721
Coremaking; Foundry 81 Preview, 170
Crown Foundry, V-Process in Production at, 445
Cupola, Venturi Scrubber cleans Exhaust gases from, 688

D

Dee Bridge Disaster, the, 280
Design Engineering Show, Zinc Diecasting Centre attracts Attention at, 133
Development of an Addition Treatment Method Using a Paper Sleeve for Cast Iron, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Developments in Foundry Coatings, R. G. Leach, 287
Diecasting Exhibitors come to Foundry 81 in Force, 315
Diecasting Society News, 324
Diecasting Technology, Progress in—a Review of Equipment exhibited at Foundry 81—I, 759
Die Lubrication in Aluminium Diecasting, the Mechanism of, 622
Ductile Iron by means of the Tundish Cover, Improved Ladle Treatment of, R. D. Forrest and H. Wolfensberger, 411
Ductile Iron Pipes and Fittings, 344
Dust Extraction, Foundry 81 highlights, 256
Dust and Fume—some Aspects of Plant and Equipment designed to eliminate, W. Lindsay, 1013

E

Electric Melting, Leicester Foundries switch to, 691
Electric Melting Prominent in Giddings & Lewis-Fraser Modernisation, 205
Energy Recovery Equipment, Vacuum Castings Firm installs, 828
Energy Saving, British Gas Gem Awards for, 44
Exhibition, Foundry 81 International Preview, 167
Exhibition, Foundry 81 International—II, 254
Expocast 80—Report on Conference on Castings Exporting, 39
Export Challenge, Meeting the, W. Slemen, 577
Fettling and Cleaning Equipment; Foundry 81 Preview, 186
Fettling Equipment, Improvements in,—a Review of Plant on Display at Foundry 81, 795
Finance for the Foundryman: Make a Friend of your Bank Manager, A. Gilpin, 830
Foreign Visitors make Foundry 81 a Truly International Show, 658
Foundry Coatings, Developments in, 287
Foundry Consumables, Foundry 81 Preview, 188
Foundries EDC News, 469
Foundry 81 International Exhibition: Continuous Casting at, 267; Diecasting Exhibitors come to Foundry 81 in Force, 315; Foundry Design and Consultancy represented at, 262; highlights Dust Extraction, 256; Improvements in Fettling Equipment—a Review of Plant on Display at, 795; Ingot Casting and Briquetting Plant, 271; Metal-melting and Holding, at 247; New Developments in Moulding Machine Design—a Review of Units featured at, 663; 755; Patternmaking and Ancillary Services highlight Resin Technology, 272; Progress in Diecasting Technology—a Review of Equipment exhibited at, 759; Shock-absorbers combat Destructive Deceleration Forces, 279; Testing and Control emphasised at, 267

FOUNDRY

TRADE JOURNAL

INDEX TO VOLUME 150

January to June, 1981

A

Accidents at Work, Notification of, 161
Addition Treatment Method using a Paper Sleeve for Cast Iron, Development of an, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Air-based Turntable, Steel-ladle rotates on, 288
Aluminium Diecasting Industry of Japan, a Visit to, 134
Aluminium Diecasting, the Mechanism of Die Lubrication in, A. B. Schmidt, 622
Aluminium Diecasting, New Method for, 314
American Opercula, 806
Automation Exhibition to be held in Brighton, 789
Automatic Pouring Furnace comes on Stream at Rail Foundry, 751

B

Baker Perkins Limited holds Open Day, 59
BAS Triennial Meeting of Analysts, 936
Bank's Services for Exporters, N. Sargeant, 561
BCIRA News, 121
BCIRA: Robot fettling Feasibility demonstrated, 129
Briquetting Plant, Ingot Casting and, 271
British Gas Gem Awards for Energy Saving, 44
BNF News, 47
BNF Reorganisation reflects Future Policy, 344
BOTB can help, Foundry Exporting, 581

C

Careers Course, FITC, 69
Cast Iron, Development of an Addition Treatment Method using a Paper Sleeve for, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Centrifugal Technique, Wellman develops New, 791
Charlestown Engineering adopts Pulsed-gas CO_2 Process Moulding, 438
China—a Developing Market, 365
CO_2 Process Moulding, Charlestown Engineering adopts Pulsed-gas, 438
Code of Practice for Lead at Work, 54
Conferences: Control of Lead at Work, 160; Expocast 80, 36; 1980 Technician Conferences, 462; Sixteenth Annual BICTA Conference, 347; Solidification Technology in the Foundry and Casthouse, 91; Tenth International Pressure Diecasting Conference, 313
Congress: Forty-seventh International Foundry, a Précis of Papers presented in Jerusalem, 11
Continuous Casting at Foundry 81, 276
Control of Lead at Work Conference, 160
Conveying; Foundry 81 Preview, 170
Cosworth Research and Development, Thermal Reclamation at, 822
Coreless Furnace Lining and Three Typical Slag Materials, Study of the Reaction between Silica in a, C. F. Wilford, R. Stevens, 721
Coremaking; Foundry 81 Preview, 170
Crown Foundry, V-Process in Production at, 445
Cupola, Venturi Scrubber cleans Exhaust gases from, 688

D

Dee Bridge Disaster, the, 280
Design Engineering Show, Zinc Diecasting Centre attracts Attention at, 133
Development of an Addition Treatment Method Using a Paper Sleeve for Cast Iron, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Developments in Foundry Coatings, R. G. Leach, 287
Diecasting Exhibitors come to Foundry 81 in Force, 315
Diecasting Society News, 324
Diecasting Technology, Progress in—a Review of Equipment exhibited at Foundry 81—I, 759
Die Lubrication in Aluminium Diecasting, the Mechanism of, 622
Ductile Iron by means of the Tundish Cover, Improved Ladle Treatment of, R. D. Forrest and H. Wolfensberger, 411
Ductile Iron Pipes and Fittings, 344
Dust Extraction, Foundry 81 highlights, 256
Dust and Fume—some Aspects of Plant and Equipment designed to eliminate, W. Lindsay, 1013

E

Electric Melting, Leicester Foundries switch to, 691
Electric Melting Prominent in Giddings & Lewis-Fraser Modernisation, 205
Energy Recovery Equipment, Vacuum Castings Firm installs, 828
Energy Saving, British Gas Gem Awards for, 44
Exhibition, Foundry 81 International Preview, 167
Exhibition, Foundry 81 International—II, 254
Expocast 80—Report on Conference on Castings Exporting, 39
Export Challenge, Meeting the, W. Slemen, 577
Fettling and Cleaning Equipment; Foundry 81 Preview, 186
Fettling Equipment, Improvements in,—a Review of Plant on Display at Foundry 81, 795
Finance for the Foundryman: Make a Friend of your Bank Manager, A. Gilpin, 830
Foreign Visitors make Foundry 81 a Truly International Show, 658
Foundry Coatings, Developments in, 287
Foundry Consumables, Foundry 81 Preview, 188
Foundries EDC News, 469
Foundry 81 International Exhibition: Continuous Casting at, 267; Diecasting Exhibitors come to Foundry 81 in Force, 315; Foundry Design and Consultancy represented at, 262; highlights Dust Extraction, 256; Improvements in Fettling Equipment—a Review of Plant on Display at, 795; Ingot Casting and Briquetting Plant, 271; Metal-melting and Holding, at 247; New Developments in Moulding Machine Design—a Review of Units featured at, 663; 755; Patternmaking and Ancillary Services highlight Resin Technology, 272; Progress in Diecasting Technology—a Review of Equipment exhibited at, 759; Shock-absorbers combat Destructive Deceleration Forces, 279; Testing and Control emphasised at, 267

Foundry Exporting—how BOTB can help, 581
Foundry Industry Sector Analysis, 344
FITC Careers Course, 69
Foundry Management for the Future, 434
FITC News, 461, 462, 656, 837
Foundry Safety Standards, Report criticises, 84
Foundry Training, Practical, T. R. Rath, 108
Furnace Lining and Three Typical Slag Materials, Study of the Reaction between Silica in a Coreless, C. F. Wilford, R. Stevens, 721
Furnace Technology at Foundry 81—a Review of Melting and Holding Units, 965

G

Geared Crane Ladles—an Historical Note, C. McCombe, 825
Giddings & Lewis-Fraser Modernisation, Electric Melting Prominent in, 205
Graduates in the Foundry Industry—Seminar Report, 40

H

Health and Safety Executive: Report criticises Foundry Safety Standards, 84
Heath and Safety Executive: Notification of Accidents at Work, 161
High-frequency Furnace installed by Hopkinsons Limited, 88
Hopkinsons Limited adopt V-Process in Steel Foundry, B. Cooper, 810
Hopkinsons Limited, High-frequency Furnace installed by, 88

I

Improved Ladle Treatment of Ductile Iron by Means of the Tundish Cover, R. D. Forrest and H. Wolfensberger, 411
Improvements in Fettling Equipment—a Review of Plant on Display at Foundry 81, 795
Ingot Casting and Briquetting Plant, 271
IBF News, 50, 86, 292, 466
Ireland Alloys wins Queen's Award, 791

J

Japan, a Visit to the Aluminium Diecasting Industry of, 134
Jobbing Foundry uses Refractory Glaze, 692

L

Ladle Preparation, Practical Developments in, S. G. Sharman, M. C. Ashton, 744
Ladle Treatment of Ductile Iron by means of the Tundish Cover, Improved, 411
Lead at Work, Code of Practice for, 54
Lead at Work Conference, Control of, 160
Leicester Foundries switch to Electric Melting, 691
Leicester Foundry taps Growing Export Market, 139
LMFA plans major expansion of castings research, 8
LMFA News, 5

M

Mechanism of Die Lubrication in Aluminium Diecastings, The, A. B. Schmidt, 622
Meeting the Export Challenge, W. Slemen, 577
Metal-melting and Holding at Foundry 81, 247
Micro-computers Event to be held at Loughborough, 653
Moulding, Charlestown Engineering adopts Pulsed-gas CO_2 Process, 438
Moulding Machine Design, New Developments in, a Review of Units featured at Foundry 81, 666
Moulding: Foundry 81 Preview, 170

N

Naber Industrieofenbau opens new Production Facility, 561
New Developments in Moulding Machine Design—a Review of Units featured at Foundry 81, 666
New Investment Casting Foundry planned, 345
New Method for Aluminium Diecasting, 314
Notifications of Accidents at Work, 161

O

On-line Computer Bureau System for Foundry, 202

P

Paper Sleeve for Cast Iron, Development of an Addition Treatment Method using a, T. Ishino, H. Yoneda, K. Fujii, K. Ishii, 675
Patent Abstracts, 473, 832
Patternmaking and Ancillary Services highlight Resin Technology at Foundry 81, 272
Pouring Applications in UK Foundries, Some, 750
Pouring Furnace comes on Stream, at Rail Foundry, Automatic, 751
Pouring Systems in Ironfoundries, Some Trends in the Use of Mechanical and Automated, T. Bewick, 735
Practical Developments in Ladle Preparation, S. G. Sharman, M. C. Ashton, 744
Practical Foundry Training, T. R. Rath, 108.
Progress in Diecasting Technology—Review of Equipment exhibited at Foundry 81—I, 759
Pulsed-gas CO_2 Process Moulding, Charlestown Engineering adopts, 438
Pushout Furnaces for Melting, Yale Foundry uses, 279

R

Reaction between High-alumina Rammed Refractories and Typical Slag Materials, a study of the, L. J. Miles and C. F. Wilford, 947
Refractory Glaze, Jobbing Foundry uses, 692
Report criticises Foundry Safety Standards, 84
Resin Technology, Patternmaking and Ancillary Services highlight, 272
RMI (Smethwick) mark the Completion of £4 m. Investment Programme, 980
Robert Taylor and Company (Ironfounders) Limited organises Spheroidal-graphite Iron Technical Road Show, 613
Robot Fettling Feasibility demonstrated, 129

S

Sand Reclamation: Foundry 81 Preview, 170
Seminar Report, Graduates in the Foundry Industry—40
Shaw & McInnes extends at Firhill, 28
Silica in a Coreless Furnace Lining and Three Typical Slag Materials, Study of the Reaction between, C. F. Wilford and R. Stevens, 721
Sixteenth Annual BICTA Conference to be held in Torquay, 347
Slag Materials, Study of the Reaction between Silica in a Coreless Furnace Lining and Three Typical, C. F. Wilford, R. Stevens, 721
Some Aspects of Plant & Equipment designed to eliminate Dust and Fume, W. Lindsay, 1013

Some Trends in the Use of Mechanical and Automated Pouring Systems in Ironfoundries, T. Bewick, 735
Steel Ladle Rotates on Air-based Turntable, 288
Steel Foundry, Hopkinsons Limited adopt V-Process in, 810
Study of the Reaction between Silica in a Coreless Furnace Lining and Three Typical Slag Materials, C. F. Wilford, R. Stevens, 721
Solidification Technology in the Foundry and Casthouse, P. R. Beeley, 91

T

Tenth International Pressure Diecasting Conference to be held in Madrid, 313
Testing and Control emphasised at Foundry 81, 267
Thermal Reclamation at Cosworth Research and Development, 822
Thomas Seager Limited invests £1 m. in five-year plan, 113

U

Under-bonnet Plastics threaten Diecasters, 240

V

Vacuum Castings Firm installs Energy Recovery Equipment, 828
Venturi Scrubber cleans Exhaust Gases from Cupola, 688
Visit to the Aluminium Diecasting Industry of Japan, A, T. Kilpatrick, 134
V-Process in Production at Crown Foundry, 445
V-Process Seminar attracted over 100 Delegates, 788
V-Process in Steel Foundry, Hopkinsons Limited adopt, 810

W

Wellman develops New Centrifugal Technique, 791

Y

Yale Foundry uses Pushout Furnaces for Melting, 279

Z

Zinc Diecasting Centre attracts Attention at Design Engineering Show, 133

Authors

Ashton, M. C., 744
Beeley, P. R., 90
Bewick, T., 735, 882
Bone, J., 896
Cooper, B., 810
Daniels, G. M., 875
Forrest, R. D., 411
Froom, D., 586
Fujii, K., 675G
Gilpin, A., 830
Ishii, K., 675
Ishino, T., 675
Kilpatrick, T. S., 134
Leach, R. G., 287
Lindsay, T., 1013
Marshall, G., 890
McCombe, C., 825
Nichols, J., 892
Rath, T. R., 108
Sargeant, N., 581
Schmidt, A. B., 622
Sharman, S. G., 744
Slemen, W., 577
Stevens, R., 721
Wedderburn, D., 280
Wilford, C., 721
Wolfenberger, H., 411

J.PENNINGTON & CO. (Patternmakers) LTD.

Mill Lane Works,
Hyde,
SK14 2DS
Cheshire

Telephone: 061-368 3267

We make any size of Wood, Resin and Polystyrene patterns, also Metal Pattern Equipment for Disamatic Shell Moulding, and the Ashland process, etc. Deliveries and prices are realistic. We also make non-ferrous castings including Gravity Die Castings.

FOUNDRY TRADE JOURNAL

INDEX TO VOLUME 151 – JULY TO DECEMBER, 1981

A

Alloys and Additives—Materials and Techniques used by the Ferrous Foundry Melting Department, 79
Alloying Procedures—using Secondary Metals to Advantage in, 98
Aluminium-alloy Melts, Two New Techniques for Monitoring Quality of metal in, 43
Aluminium Casting, GKN+Cosworth—a New Concept in, 592
Aluminium Diecasting, Automatic Metal Transfer in, 176
Aluminium Foundries, Modern Fuel-fired Melting and Holding Furnaces for, 254
Aluminium Foundry Output, European and Japanese, 425
Aluminium Investment Castings for the Aerospace Industry, 481
Aluminium Treatment, Flux Injection Treatment offers Savings in, 104
An Update on Inmold and Flotret Treatment Techniques for C.-g and S.-g Irons, 108
Application of Power Control to Mains Frequency Coreless Induction Furnaces, 11
APV Paramount commissions Tube-spinning Plant, 312
APV Paramount, Investment Casting at, 469
Archaeology Institute to hold Course on Market Town Foundry, 149
Architectural Castings—a New Market for the Founder, Decorative and, 583
A Safer Place to Work—Progress in Health and Safety in the Foundry, 878
Aston, International Metals Engineering Congress to be held at University of, 73
Auto Alloys installs Spectrometer, 420
Authentication Mark to be used for Bronze Fine Art Castings, 537
Automatic Metal Transfer in Aluminium Diecasting, 176
Automobile Cylinder Castings, Some Metal and Mould Factors influencing the Quality of, 383

B

Beans Foundries invest for the Future, 957
Better Weighing Facilities can Increase Profits, 647
Binder Green-strength Test Developed, New, 195
BNF News: 49; 703
British Impact Treatment Association to establish Standards and Controls, New, 8
BCIRA Autumn Courses, 429
BCIRA—Improving the Foundry Environment, Recent Activity at, 865
British Industrial Sand Limited opens New Sand Quarry, 607
BICTA: An Industry with a Future 463; What is BICTA, 467; Annual Golf Day, 536
Bonnybridge Foundry unveils Mural, 818
Bronze Fine Art Castings, Authentication Mark to be Used for, 537
Bulk Melting, Enfield Foundry installs Reverberatory Furnace for, 289
Buyers Guide: Investment Casting Industry, 490; Shell-moulding, 735

C

Calculation of Feeder-head Sizes by Computer, Computerised Methoding, 184
Cartmel Obelisk—a Monument to the Eccentricity of "Iron-mad Wilkinson", The, 818
Casting Production Technology, Stelrad Group rethinks, 277
Castings 81 Comment, 780
Castings 81 International Exhibition Preview, 549
Castings 81 News: 4, 72, 148, 220, 308, 372
Castings 81 Review, 794
Castings Transfer, Fork-lift Trucks cope with, 745
Castings weighed continuously at Saunders Valve Company Limited, 331
Cast Iron in Northamptonshire Exhibition, 784
Cast-iron Lion, Reading's Impossible, 697
Cast-iron Splendour on View in Leicester, 414
Cast Metals Fatigue Discussion Meeting, SEE to hold, 149
Cast Metals, Future of, 574
Chinese Castings and Forgings Exhibition, 497
Close Capture of Foundry Fumes, 890
College Foundry Casts Museum Pieces, 195
Compacted-graphite Irons, An Update on Inmold and Flotret Treatment for, 108
Companies launch Energy Conservation Association, 704
Composition, Microstructure and Properties of Iron Castings, Some Rapid Tests for, 322
Computerised Methoding—Calculation of Feeder-head Sizes by Computer, 184
Copper Alloys, Induction Melting Experience with, 281
Copper Foundry chooses Induction Furnaces for Modernisation Scheme, 909
Correspondence: A Misleading Comment, 151; Water-supply Pipes, 783
Cupola Operation at Times of Low and Intermittent Demand, 600
Cylinder Castings, Some Metal and Mould Factors influencing the Quality of Automobile, 383

D

Decorative and Architectural Castings—a New Market for the Founder?, 583
Defects in Iron Castings, Nitrogen, 111
Developments in the Guarding of Foundry Machinery, 885
Diecasting, Automatic Metal Transfer in Aluminium, 176
Diecasting at Strebor Diecasting Limited, 50 Years of, 825
Diecasting Machine, History of the Schultz, 764
Diecasting Metal Control, 676
Diecasting Output Grows with Car Production, Japanese, 826
Diecasting Society News: 673, 783, 826
Diecasting, Tenth International Pressure Diecasting Conference: 199, 349, 503
Diecasting Workers, Eye Protection for, 825
D.K. Furnaces Limited—a Family Firm that shows that Size is no Bar to Enterprise, 27
Ductile-iron Pipe, The Hallam Project for Large-diameter, 155
Dust Control, Investment Casting Firm chooses Reverse-jet, 759

E

Electric Furnaces to the World—A Profile of Inductotherm Europe Limited, Exporting, 809
Electric Melting and Holding Furnaces for Aluminium Foundries, Recent Developments in, 270
Energy Conservation Association, Companies launch, 704
Energy by Exploiting Waste Heat, Saving, 19
Enfield Foundry installs Reverberatory Furnace for Bulk Melting, 289
European and Japanese Aluminium Foundry Output, 425
Exporting Electric Furnaces to the World—A Profile of Inductotherm Europe Limited, 809

F

Feeder-head Sizes by Computer, Computerised Methoding—Calculation of, 184
Ferrous Foundry Melting Department, Alloys and Additives—Materials and Techniques used by, 79
Ferrous Scrap Consumption rises, 453
Film on Foundry Safety, HSE produces New, 152
Finance for the Foundryman: The Costly Business of Paying Weekly Wages, 741
First Aid at Work Regulations published, Guidance on, 456
Flotret Treatment for Compacted-graphite and Spheroidal-graphite irons, an Update on Inmold and, 108
Flux Injection Treatment offers Savings in Aluminium Treatment, 104
Ford Executive speaks on Japanese Motor Exports, 46
Ford Motor Company uses Industrial Robots for Deburring, 30
Fork-lift Trucks cope with Castings Transfer, 745
Foundry Bookshelf, 750
Foundry Conference to be held In South Africa, 151
Foundries EDC News, 539
Foundry 81, Metal Treatment Techniques at, 106
FITC News: 53, 75, 194, 499
Foundry makes Special Gates for Museum, 312
Foundry Venture succeeds against the Odds, New, 5
Francis W. Birkett & Sons Limited, Reorganisation at, 780
Fuel-fired Melting and Holding Furnaces for Aluminium Foundries, Modern, 254

G

GKN+Cosworth—a New Concept in Aluminium Casting, 592
Glass Fibre—an Alternative to Asbestos, 894
Gravity Diecasting Seminar Report, 985
Green-strength Test Developed, New Binder, 195
Grey Iron Castings, the Importance of Low Levels of Phosphorus in, 787
Guidance on New First Aid at Work Regulations Published, 456

H

Hallam Project—For Large-diameter Ductile Iron Pipes, 155
HSE produces New Film on Foundry Safety, 152
Health and Safety in the Foundry Industry—a METCON Approach, 873
Health and Safety News, 896
Health and Safety in the Foundry, A Safer Place to Work, Progress in, 878
Hearing Protection, New Regulations proposed to extend, 375
Heavy Vehicle Division chooses Reverberatory Furnace for Bulk Melting, 289
Holcroft Castings & Forgings Limited, Non-ferrous Melting at, 286

I

Impact Treatment Association to establish Standards and Controls, New British, 8
Importance of Low Levels of Phosphorus in Grey Iron Castings, The, 787
Improving the Foundry Shakeout System, 947
Induction Furnaces for Modernisation Scheme, Copper Foundry chooses, 909
Induction Melting Furnace, West Midlands Steel Foundry chooses, 124
Induction Melting Experience with Copper Alloys, 281
Inductotherm Europe Limited, Exporting Electric Furnaces to the World—a Profile of, 809
Industrial Robots for deburring, Ford Motor Company uses, 30
Industrial History, New Institute offers Wide-ranging Courses in, 421
Inmold and Flotret Treatment Techniques for C.-g and S.-g Irons, an Update on, 108
Innovation reaps Rewards—a Profile of Morganite Thermal Designs, 656
International Metals Engineering Congress to be held at University of Aston, 73
IBF meet in Edinburgh: 335, 398
IBF News: 42, 430, 753
IBF Works Visits, 610
Investment Casting at APV Paramount Limited, 469
Investment Castings for the Aerospace Industry, Aluminium, 481
Investment Casting Industry, a Buyers' Guide to, 490
Ireland Alloys acquires Companies in Scotland and USA, 536
Iron Bridge that Never was!, The, 643
Iron Castings, Nitrogen Defects in, 111
Iron Castings, Some Rapid Tests for controlling Composition, Microstructure and Properties of, 322

J

Japanese Aluminium Foundry Output, European and, 425
Japanese Diecasting Output grows with Car Production, 826
Japanese Motor Exports, Ford Executive speaks on, 46

K

Knockout Shotblasting provides Reclaimed Sand for Swedish Foundry, 952
Kohlswa Jernverks AB, Shell-moulding at, 721

L

Large-diameter Ductile-iron Pipe, The Hallam Project—for, 155
Lead Diecasting Facility opened, 834
LMFA News: 43, 434
Lightweight Safety Guard isolates Moulding Machine Working Parts, 40

M

Major Investment in New Sand-casting Technology, 640
Market Town Foundry, Archaeology Institute organises Course on, 149
Materials and Techniques used by Ferrous Foundry Melting Department—Alloys and Additives, 79
Materials Procurement Conference planned, 700
Meehanite Jubilee Conference held in Coventry, 7
Melting and Holding for Non-ferrous Foundries, Recent Developments in Electric, 270
Melting and Holding Furnaces for Aluminium Foundries, Modern Fuel-fired, 254
Metal and Mould Factors influencing the Quality of Automobile Cylinder Castings, 383
Metals Fatigue Discussion Meeting, SEE to hold Cast, 149
Metal Transfer in Aluminium Diecasting, Automatic, 176
Metal Treatment Techniques at Foundry 81, 106
METCON Approach, Health and Safety in the Foundry Industry—a, 873
Metcon News, 311
Microcomputers in the Foundry Industry, Seminar on, 309
Microstructure and Properties of Iron Castings, Some Rapid Tests for controlling Composition, 322
Modern Fuel-fired Melting and Holding Furnaces for Aluminium Foundries, 254
Morganite Thermal Designs, Innovation reaps Rewards—a Profile of, 656
Moulding Machine Working Parts, Lightweight Safety Guard isolates, 40
Mould Factors influencing the Quality of Automobile Cylinder Castings, Some Metal and, 383
Mould-wash Project, Tin Research Report highlights Tin-containing, 221

N

New Binder Green Strength Test developed, 195
New British Impact Treatment Association to establish Standards and Controls, 8
New Foundry Company formed, 641
New Foundry Venture succeeds against the Odds, 5
New Institute offers Wide-ranging Courses in Industrial History, 421
New Literature, 198
New Regulations proposed to extend Hearing Protection, 375
Nitrogen Defects in Iron Castings, 111
Non-destructive Testing and Control, 315
Non-ferrous Foundries, Recent Developments in Electric Melting and Holding for, 270
Non-ferrous Melting at Holcroft Castings and Forgings Limited, 285
Novel Surface Texture for Castings, A, 653

O

O.H. Hi-Tec Limited, 329
Oskar Frech GmbH is Host to Diecasting Society for West German Visit, 977

P

Patent Abstracts, 416
Pattern Equipment Company demonstrates Versatility in Foundry Tooling Construction, 343
People: 197, 668, 759
Phosphorus in Grey Iron Castings, the Importance of Low Levels of, 787
Plant Supplies and Services: 55, 125, 293, 359, 500, 760, 821
Poland's Mighty Zygmunt Bell, 936
Polish Foundry Technology, 224
Power Control, to Mains-frequency Coreless Induction Furnaces, Application of, 11
Precision Sandcasting Technique, Shellmoulding maintains status as Leading, 707

R

Reading's Impossible Cast-iron Lion, 697
Recent Activity at BCIRA—Improving the Foundry Environment, 865
Recent Developments in Electric Melting and Holding for Non-ferrous Foundries, 270
Reorganisation at Francis W. Birkett & Sons Limited, 780
Reverberatory Furnace for Bulk Melting, Enfield Foundry chooses, 289
Reverse Jet Dust Control, 749
Robot Technology enhances Casting Capacity, 912

S

Safety Guard isolates Moulding Machine Working Parts, Lightweight, 40
Saunders Valve Company Limited, Castings weighed continuously at, 331
Saving Energy by Exploiting Waste Heat, 19
Scrap Federation holds Half-yearly Meeting, 783
Secondary Metal to Advantage in Alloying Procedures, Using, 98
SEE to hold Cast Metals Fatigue Discussion Meetings, 149
Seminar on Microcomputers in the Foundry Industry, 309
Shell Casting Facilities at Steel Foundry, New, 726
Shell-moulding at Brass Foundry, Valves cast by, 911
Shell Moulding at Kohlswa Jernverks AB, 721
Shell-moulding Buyers' Guide, 735
Shell Moulding maintains Status as Leading Precision Sandcasting Technique, 707
Shell-moulding Process—An Early Intelligence Report, The, 718
Shell Moulding used to make As-cast Nuts and Bolts, 728
Single Crystal Technology Licenses offered to US Government, 452
Some Rapid Tests for controlling, Composition Microstructure and Properties of Iron Castings, 322
Some Metal and Mould Factors influencing the Quality of Automobile Cylinder Castings, 383
Some Recent Developments in Production Methods for S.-g. Iron, 90
Spares Department uses Pouch Tape, 746
Spectrographic Analysis at West German Jobbing Foundry, 330
Spheroidal-graphite Iron chosen for New London Sculpture, 223
Steel Foundry, New Shell Casting Facilities At, 726
Stelrad Group rethink Casting Production Technology, 277
Student Project into Running and Gating at West Bromwich College of Technology, 32

T

Tin Research Report highlights Tin-containing Mould-wash Project, 221
Training Centre holds Open Day, 48

U

University of Aston, International Metals Engineering Congress to be held at, 73

V

Valves cast by Shell-moulding at Brass Foundry, 911
Vertical-channel Furnace, Heavy Vehicle Division chooses, 286

W

What is BICTA?, 467
West German Jobbing Foundry, Spectrographic Analysis at, 330
Waste Heat, Saving Energy by Exploiting, 19
West Midlands Steel Foundry chooses Induction Melting Furnace, 124

Z

Zinc Diecastings featured at Engineering Show, 825
Zinc Diecasting Component used for Ford Cortina, 834

AUTHORS

Allan, A. J., 176
Atkin, M. R., 184
Atkins, R., 270
Bentall, W. D., 98
Bewick, T., 583, 947
Crabb, N. A., 467
Dale, A., 155
Dear, R. B., 653
Dewell, B., 865
Edgerley, C., 11
Greenhill, J. M., 111, 383, 787
Hearnshaw, B. M., 90
Jackson, P. H., 481
Jones, A. M., 600
Koch, J. W. M., 254
Lavender, J. D., 315
Lusty, V., 890
Meier, U., 19
McCombe, C., 618
Moor, D. W., 90
Palmer, P. V., 574
Pickin, J. E., 647
Porter, 894
Powell, J., 11
Reynolds, N. M., 111
Strange, R. C., 873
Sugden, H., 79
Totham, M. A., 322
Wardell, A. C., 600
Webster, C. A., 885
Wilkins, P. S. A., 592